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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

06/17/2009

SOROKER-AGMON ADVOCATE AND PATENT ATTORNEYS NOLTON HOUSE, 14 SHENKAR STREET HERZELIYA PITUACH, 46725 ISRAEL EXAMINER

TRAN, DALENA

ART UNIT PAPER NUMBER

3553

DATE MAILED: 06/17/2009

APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO,	CONFIRMATION NO.
10/537 475	10/24/2005	Nir Parlan	000231111811/2279	2265

TITLE OF INVENTION: DYNAMIC GUIDANCE FOR CLOSE-IN MANEUVERING AIR COMBAT

APPEN TYPE	SMALL ENTITY	issue fee due	Publication fee due	, , , , , , , , , , , , , , , , , , , ,	TOTAL FRE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	SC	\$1055	09/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notifica	form should be used f correspondence including ed below or directed oth hons.	or transmitting the ISS ig the Patent, advance of erwise in Block 1, by (ould be completed where correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDI	ENCE ADDRESS (Note: Use Blo 7590 06/17.			Note: A cer Fec(s) Trans papers. Each have its own	tificate of mails smittal. This cert is additional pape a certificate of m	ig can only be used for Hoase cannot be used for r, such as an assignmen siling or transmission.	domestic mailings of the r any other accompanying t or formal drawing, must
SOROKER-AC NOLTON HOU HERZELIYA PI			NT ATTORNEY!	hereby cor States Posta addressed to transmitted	Certifican tily that this Fee I Service with sa the Mail Stop to the USPTO (5	te of Mailing or Transu (s) Transmids! is being afficient postage for first ISSUE FEE address 71) 273-2885, on the da	nission deposited with the United class mail in an envelope above, or being facsimile to indicated below.
ISRAEL							(Depositor's range)
							(Signature)
				***************************************	*******************		(Deto)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	ATT	ORNEY DOCKET NO	CONFIRMATION NO.
10/537,475	10/24/2005		Nir Padan		-0	002311USU/2279	3345
APPLN TYPE	EDYNAMIC GUIDANG	ISSUBTRE DUE	TPUBLICATION FEE D		PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	YES	L	<u></u>		\$0		
nonprovisional		\$755	\$300		80	\$1055	09/17/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
TRAN, E		3664	701-003000	******			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, siternatively. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered attorney or agent. If no name is listed, no name will be printed.					Anna 2		
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assigned is identified below, no assigned data will appear on the patent. If an assigned is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Picase check the appropt	riate assignee category or	categories (will not be p	orinted on the patent):	O Individ	dual 🖸 Corpora	ition or other private gro	up entity C Government
4a. The following (ec(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			A check is enclose Payment by credit	sed. it card, Porn	PTO-2038 is a		thown above) Actioncy, or credit any a carry of this form).
	etus (from status indicate is SMALL ENTITY stati		CO.			NTITY status. See 37 CI	
NOTE: The Issue Fee are interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accept tes Patent and Trademar	ed from anyone eiher (k Office.	ban the appl	icant; a registere	d altorney or agent; or th	e assignee or other party in
Authorized Signature				De	ite		***************************************
Typed or printed name	nc			Re	gistration No.		***************************************
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Bex 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.							
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	Application No.	Applicant(s)			
	10/537,475	PADAN, NIR			
Notice of Allowability	Examiner	Art Unit			
	Dalena Tran	3664			
- The MAILING DATE of this communication app Air claims being allowable, PROSECUTION ON THE MERITS II herewith (or previously mailed), a Notice of Allowance (PTOL-86 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.3	pears on the cover sheet was cover sheet appropriate cover sheet was cover sheet was covered by the cover sheet was covered by the cover	ith the correspondence address- in this application. If not included nunication will be mailed in due course. Ti	HIS itiative		
<ol> <li>This communication is responsive to <u>4/1/09</u>.</li> </ol>					
2. X The allowed claim(s) is/are 1-14.16.18-22.27-36(now ren	umbered as 1-30).				
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No.  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the international Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE *MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5.  CORRECTED DRAWINGS ( as *replacement sheets*) must be submitted.  (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached					
(b) ☐ including changes required by the attached Examine Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR	1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of				
each sheet. Replacement sheet(s) should be labeled as such in	· · · · · · · · · · · · · · · · · · ·	•			
DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)  1. T Notice of References Cited (PTO-892)	5 Tholice of	Informal Patent Application			
Notice of Preferences Cited (PTO-892)     Notice of Draffperson's Patent Drawing Review (PTO-948)	i) 6. 🗌 Interview	Summary (PTO-413), D/Mail Date			
3. ☐ Information Disclosure Statements (PTO/SB/98), Paper No./Mail Date	7.   Examiner	s Amendment/Comment			
Examiner's Comment Regarding Requirement for Deposi of Biological Material	t 8. ⊠ Examiner 9. ☐ Other	s Statement of Reasons for Allowance			
/Dalena Tran/ Primary Examiner, Art Unit 3664					



# UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10537475	10/24/05	PADAN, NIR	0002311USU/2279

SCROKER-AGMON ADVOCATE AND PATENT ATTORNEYS NOLTON HOUSE, 14 SHENKAR STREET HERZELIYA PITUACH, ISRAEL 46725

EXAMINER					
Dalena Tran					
ART UNIT	PAPER	*********			
3664	20090612				

DATE MARLED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The drawing filed on 6/3/05 has been approved.

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#### EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

 This communication is an Examiner's reasons for allowance in response to application filed on 10/24/05, assigned serial 10/537475 and title "Dynamic guidance for close-in maneuvering combat".

2. The following is the Examiner's statement of reasons for the indication of allowable subject matter:

After carefully reviewing the application in light of the amended claims and the additional search of all the possible areas relevant to the present application, a set of related prior art references has been found, but those prior art references are not deemed strong to make the application unpatentable. Thus, it is found that the application is now in condition for allowance.

As per claim I, the prior art of record does not disclose a system for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat, the system comprising: an assessment and guidance software application implemented on the at least one computer for providing in real-time automatic situation assessment, generating dynamically at least one indication related to the at least one close-in air combat and communicating the at least one indication as guidance to the operating crew of the at least one aerial vehicle, wherein automatic situation assessment relates to a situation of a dog fight air combat between two aircraft vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 27, the prior art of record does not disclose a method for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment data and by generating

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dynamically at least one instruction and by communicating the at least one instruction as guidance to the operating crew of the at least one aerial vehicle, the method comprising the steps of: obtaining aircraft weapon system characteristics information; and analyzing the situation between the at least two aerial vehicles and mapping the analyzed situation in relation to previously analyzed situations between the at least two aerial vehicles; determining at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; generating at least one recommendation concerning a preferred maneuvering of the at least one aerial vehicle based on the analyzed situation between the at least two aerial vehicles, aircraft characteristics and aircraft weapon system characteristics information. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 30, the prior art of record does not disclose an apparatus for optimizing the performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment, the apparatus comprising: analyzing the situation between tile at least two aerial vehicles and mapping the analyzed situation in relation to the previously analyzed situations between at least two aerial vehicles; based on the analysis determine at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; and generating at least one recommendation based on the at least one optimal future potential air combat situation between the at least two aerial vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

Claims 1-14, 16, 18-22, and 27-36, are allowable over the prior art of record.

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3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The

examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second

week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dalena Tran/

Primary Examiner, Art Unit 3664

June 12, 2009

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